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Applicant(s): Michael R. Krames; Mihail M. Sigalas; Jonathan J. Wierer Jr.  
Assignee: Lumileds Lighting U.S., LLC  
Title: LED Efficiency Using Photonic Crystal Structure  
Serial No.: 10/059,588 Filing Date: January 28, 2002  
Examiner: Douglas A. Wille Group Art Unit: 2814  
Docket No.: M-11547 US

**OFFICIAL**

San Jose, California  
March 29, 2004

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

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Respectfully submitted,

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PTO/SB/089 (08-03)

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**Complete if Known**

Application Number	10/059,588
Filing Date	January 28, 2002
First Named Inventor	Michael R. Krames
Art Unit	2814
Examiner Name	Douglas A. Wille
Attorney Docket Number	M-11547 US

Sheet

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.†	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		M. BORODITSKY et al., "Surface recombination measurements on III-V candidate materials for nanostructure light-emitting diodes", Journal of Applied Physics, Vol. 87, No. 7, April 1, 2000, pp. 3497-3504.	

Examiner Signature	Date Considered
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